

Title (en)
COMPRESSOR CLEARANCE CONTROL

Title (de)
SPIELRAUMREGELUNG FÜR EINEN KOMPRESSOR

Title (fr)
COMMANDE DU JEU DE COMPRESSEUR

Publication
EP 2678569 A1 20140101 (EN)

Application
EP 12727210 A 20120611

Priority
• US 201161508259 P 20110715
• US 2012041848 W 20120611

Abstract (en)
[origin: WO2013012491A1] A compressor (22) has a housing assembly (50) with a suction port (24) and a discharge port (26). An impeller (54) is supported by a shaft (70) which is mounted for rotation to be driven in at least a first condition so as to draw fluid in through the suction port (24) and discharge the fluid from the discharge port (26). A magnetic bearing system (66, 67, 68) supports the shaft (70). A controller (84) is coupled to an axial position sensor (80) and is configured to control impeller position.

IPC 8 full level
F04D 27/02 (2006.01); **F04D 29/058** (2006.01)

CPC (source: EP US)
F04D 27/002 (2013.01 - US); **F04D 27/0246** (2013.01 - EP US); **F04D 29/051** (2013.01 - EP); **F04D 29/052** (2013.01 - EP US);
F04D 29/058 (2013.01 - EP US); **F04D 29/162** (2013.01 - EP US); **F25B 49/022** (2013.01 - US); **F04D 15/0033** (2013.01 - US)

Cited by
EP3739217A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
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US 10161406 B2 20181225; US 2014216087 A1 20140807

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